



## REPLACEMENT CLAIMS

Please replace claim 1 with the following:

1. A polarizer comprising:

a multilayered structure along a z-axis consisting of two or more transparent bodies which have different refractive indexes;

wherein the shape of layers, each of which is a unit of lamination of each transparent body, at least one of has a regularly undulated structure along an x-axis, is uniform along a y-axis, and has a regularly or non-regularly undulated structure which has a larger pitch than along the x-axis,

the lamination along the z-axis repeating the shape and being configured for acting against the light such that the light thereby has a component whose incidence direction is not zero from the z-axis in the three-dimensional orthogonal coordinates (x, y, z) associated with the polarizer.

[Please replace claim 2 with the following:]

2. A polarized according to claim 1, wherein the polarizer has a first refractive medium layer containing one of Si and  $\text{TiO}_2$  as a main component and a second refractive medium layer containing  $\text{SiO}_2$  as a main component.

[Please replace claim 3 with the following:]

3. A method for producing a polarizer comprising the steps of:

laminating a more refractive medium and a less refractive medium with a regularly repeating shape, said laminating performed by a film-forming method at least partly including the dry etching on a substrate which has at least one of regularly arranged grooves, and regularly arranged linear projections, thin and long projections, thin and long grooves.

[Please replace claim 4 with the following:]

4. A method of producing a polarizer, comprising the steps of:

laminating a first refractive medium which contains one of Si and  $\text{TiO}_2$  as a main component and a second refractive medium which contains  $\text{SiO}_2$  as a main component with a regularly repeating shape, said laminating performed by a film-forming method at least partly including dry etching on a substrate, said substrate having at least one of regularly arranged grooves, regularly arranged linear projections, [or] thin and long projections, and thin and long grooves.

Please add claims 5-7 as follows:

5. A polarizer according to claim 1, wherein the shape of layers at least one of has a regularly undulated structure along the x-axis and is uniform along a y-axis.

6. A polarizer according to claim 1, wherein said first refractive medium layer has a first index of refraction, said second refractive medium layer has a second index of refraction, said first index of refraction being greater than second index of refraction.

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7. A method for producing a polarizer according to claim 3, wherein said substrate has at least one of thin and long projections and thin and long grooves.

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